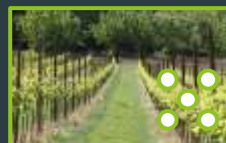


GREEN

SANGOI

Evolution in viticulture

Presentation 2021





SANGOI

Evolution in viticulture

Thanks to the **combination of tenacity and passion for work** and a **unique land**, rich in history and nature, **Sangoi Green** has become an important **benchmark both in Italy and internationally** in the field of viticulture installations.

Thanks to the expertise of **Sangoi Group**, leader in the steel sector, Sangoi Green is able to **supervise all the production phases**.

The company has found its true spirit in the **family dimension** and consolidated it in a short time, but is **always looking forward** towards **renewal**, paying great attention to the needs of agronomists and oenologists.

Sangoi Green products, suitable both for planting new vineyards and for renewing existing ones, stand out thanks to the **quality** and **refinement of their materials**.

SANGOI

Evolution in steel metallurgy

THE GROUP

- Since 1973, **Sangoi Group** has been operating in the steel sector
- Sangoi family has been running the Group since it was founded
- Thanks to continuous technical and professional growth, it offers a well-developed range of products and services for the different uses of steel.
- The Group's Core Business is the production of **steel** sheets and strips





- **SAFIN** → Financial holding of the Sangoi Group based in Udine - Italy
- **SANGOI** → specialized in the production of steel strips and sheets as well as the Group's headquarters
- **SIDEKO** → specialized in the production of steel strips and sheets based in Milan - Italy
- **SABREST** → specialized in the processing of molded components, shearing, bending, assembly and roll forming of Sangoi Green posts based in Brescia - Italy



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Evolution in viticulture



- **Sangoi Green** oversees all the production phases thanks to the skills of the companies of the Group
- Headquarters and warehouse are based in the north of Italy
- Plant production is based in Brescia - ITALY

- **Sangoi Green** is specialized in the production of vineyard posts and related accessories
- It offers a product line suitable for modern vine growing systems which assures great performances both for highly mechanized processes and for manual labor
- **Sangoi Green** is committed to optimizing its products, their performance in the field, and building customer loyalty





SANGOI

Evolution in viticulture

GEOPAL Range

ONE geometry, THREE sections: the perfect range for all viticultural needs

GEOPAL 65

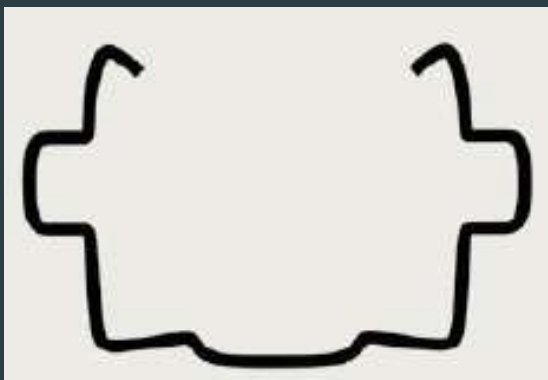
Section	Thickness
65x40 mm	1,5-1,65-1,8-2,0 mm

GEOPAL 55

Section	Thickness
55x35 mm	1,35-1,5-1,65-1,8-2,0 mm

GEOPAL 50

Section	Thickness
50X30 mm	1,35-1,5-1,65-1,8 mm





H

V

Ideal for load-bearing and fixed wires, for systems located in sloping soils and for fixing irrigation

Designed to facilitate and speed up lifting mobile wires

Post Height mm	Slot Pair No.
H 3100-3200	18
H 2900-3000	16
H 2700-2800	16
H 2500-2600	14
H 2300-2400	12
H 2100-2200	10
H 1900-2000	8



Standard Sequence
H
V
H
V
H
V
H
V
H
H
H



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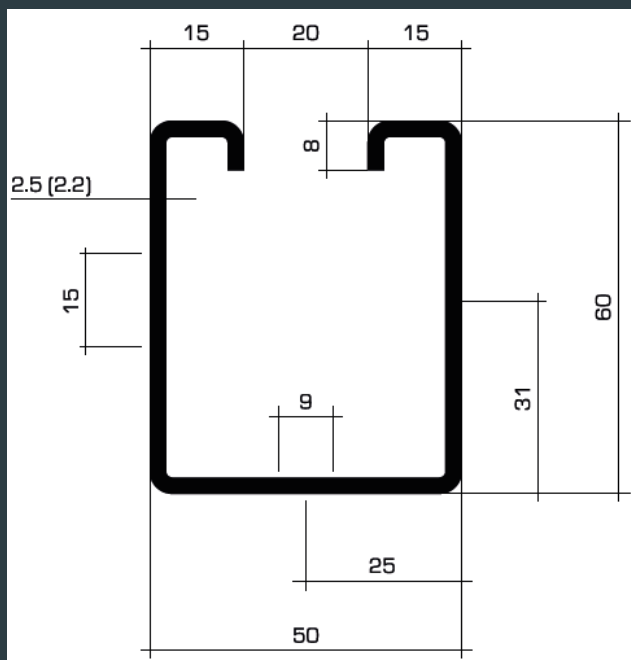
Evolution in viticulture

T60 Head Post

T 60

Section	Thickness
60X50X60 mm	1,8-2-2,2-2,5 mm

- Compact linear profile
- Resistant to above average loads and stresses
- Manufactured with structural steels
- Versatile for all cultivation methods
- Equipped with lateral and front slots which allow the installation of a wide range of accessories for tensioning wires and anchors, to make both assembly and ordinary maintenance easier and more convenient
- Profile designed to facilitate the maneuvers of the operating machines at the end of the row



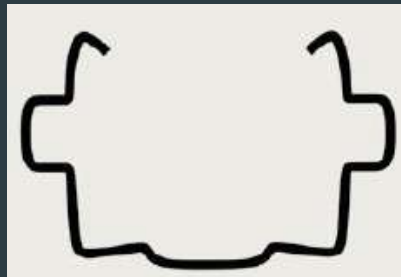
GEOPAL 6X FOR CORTINA SEMPLICE



- Produced with the Geopal 65 section
- Shaped slot for loading wire
- Customizable with slots for irrigation rubber
- Produced in all materials

GEOPAL 6X

Section	Thickness
65x40 mm	1,5-1,65-1,8-2,0 mm



GEOPAL 6X WITH PROTECTIVE PLATE



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T60 Head Post ACCESSORIES

ULISSE KIT

**Stainless steel
tensioning roller and
lock**

Code 000689 RL



ULISSE KIT

**Stainless steel
tensioning roller and
lock**

Code 000689 RU





SANGOI

Evolution in viticulture

T60 Head Post ACCESSORIES

ANTI-SINKING PLATE

SPECIFIC FOR T60 HEAD POSTS

Fixed at ground level to prevent the post from sinking into soft soils



T60 ACCESSORIES FOR MOBILE WIRES

SHOCK ABSORBER KIT WITH OMEGA

SHOCK ABSORBER WITH OMEGA *cod.000687ome*

It allows to individually adjust each wire of the mobile pairs



SHOCK ABSORBER KIT WITH ROLLER

SHOCK ABSORBER WITH ROLLER *cod.000687*

It allows to adjust the two wires of the mobile pairs at the same time



CHAIN SUPPORTS FOR MOBILE WIRES

Cod.000652

It allows to manage the mobile wires through the chains



T60 Head Post ACCESSORIES - ANCHORING

ERCOLE KIT

Hot-dipped galvanized still rod + concrete base + lock

ERCOLE KIT 300/12/1200

ERCOLE KIT 400/12/1200

ERCOLE KIT 400/14/1500



ANCHORS

Hot-dipped galvanized propeller shaped anchor

Rod/plate/thick/H - 12/140/2,0 H0800

Rod/plate/thick/H - 12/140/2,0 H1000

Rod/plate/thick/H - 14/180/2,5 H1000

Rod/plate/thick/H - 14/180/2,5 H1200



T60 Head Post ACCESSORIES

GPACK

T60 anchoring kit Cod. 000634/5

Fixing and tensioning system for anchoring
Kit: zinc-aluminium rope with welded knot, Gripple M clamp,
anti-cut and anti-slip accessories



ROPES

Ropes for anchoring the T60Cod.FZ3/4

Braided rope with knotting for anchor fixings

THE PRODUCTION PROCESS: THE STEEL PLANT

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Steel casting
from ore or scrap



Hot rolling



Thermal and chemical
treatments



Hot dip galvanizing in
continuous line, if required



Storage



Delivery

THE PRODUCTION PROCESS: SANGOI

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Raw material
Coils storage



Steel strips production



Steel strip storage
by type and thickness



Posts roll forming
Packaging

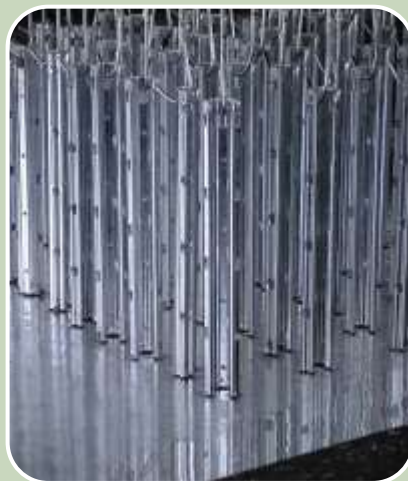


Galvanization or painting
step + Packaging



Distribution in Italy and
abroad

STEEL TYPES AND COATINGS



Galvanized from stripe

Commonly called pre-galvanized, it exploits the zinc electrostatic properties to protect the interstitial points of the post. The Sangoi Green base coating is **2275 g/m²** (according to EN10346 standard). Different degrees of galvanization on request.

Hot dipped galvanized

Coating after forming by immersion in the liquid zinc tank: excellent resistance to corrosion thanks to the zinc coating level, equal **to 790g / m²** (higher than the norm EN1461)

Corten Steel

The name comes from the abbreviation of **COR**rosion resistance and **TEN**sile strength. It is characterized by the ability to protect itself by forming a copper oxide film.

Magnelis®

Magnelis® is a coating composed of a patented alloy of zinc, aluminum and magnesium.

Magnelis® provides a self-healing effect for edge protection, even in the most hostile environments.

Painted

Posts profiled from 275 g / m² galvanized sheet metal and subjected to double powder coating with electrostatic system. The paint thickness is 50-80 µm. Available in Corten color and all RAL color codes.

Comparison between galvanizations grades



Zinc coating	Zinc quantity g / m ²	Nominal thickness of the coating for each face (µm)	Norm	Zinc released into the atmosphere after 12 months (µm)	Coating integrity time limit (years)
PREZIN –PREGALV	100	7	EN10346	0,8	9
PREZIN –PREGALV	140	10	EN10346	0,8	13
PREZIN –PREGALV	200	14	EN10346	0,8	18
PREZIN –PREGALV	225	16	EN10346	0,8	20
PREZINC- PREGALVANIZED	275	20	EN10346	0,8	25
PREZIN –PREGALV	350	25	EN10346	0,8	31
PREZIN –PREGALV	450	32	EN10346	0,8	40
PREZIN –PREGALV	600	42	EN10346	0,8	53
ZINCAL-HOT DIPPED	790	55	EN1461	0,8	69

Comparison Zinc Galvanization & Magnelis®

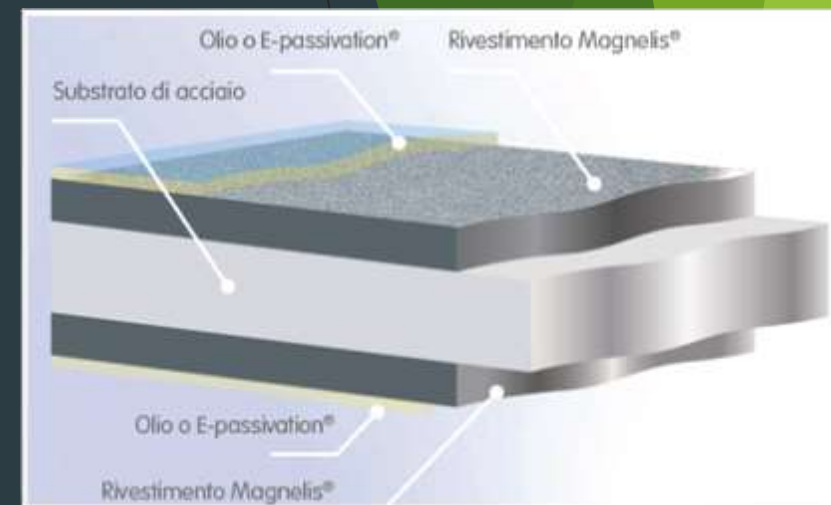
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Magnelis® is produced on a classic hot dip galvanizing line, but the molten metal bath is characterized by a unique chemical composition: zinc, 3.5% aluminum and 3% magnesium.

Magnelis® resists against corrosion longer than standard galvanized and is much more effective than coatings that contain less magnesium.

The self-healing property of Magnelis® guarantees protection on cut edges, scratches and holes.



	Magnelis ZM 430	Magnelis ZM 310	Magnelis ZM 250	Pre- Galvanized Z275	Galvanized Z790
gr/m²	430	310	250	275	790
µ/side	35	25	20	20	55
Released/ annual	0,29	0,29	0,29	0,80	0,80
Duration/ years	121	86		25	69



STEEL WIRE «STAR INOX» AISI 304

- ✓ Top protection against corrosive agents
- ✓ Top resistance to the stresses of the load on the row and to the wind
- ✓ Reduced elongation:
 - ✓ Less maintenance
 - ✓ Lower labor costs

Star Inox
Quality AISI 304
Nichel 8,5%
lengthening 2%

Packaging
BOB → 15 Kg
MAT → 25 kg
COIL → 50 kg
SPOOL → 100/400 Kg



AGROFIL 5 E AGROFIL 10

- ✓ Wire coated with zinc-aluminum
- ✓ Elongation 10% and 5%
- ✓ 25 kg coils and 100/300 kg spools
- ✓ UNI-EN 10218-2 standard
- ✓ Resistance to stresses from mechanized processing and to the wind
- ✓ Resistance to the stresses of the load on the row
- ✓ Lower maintenance and labor costs



 SANGOI AGROFIL 10 <small>Evolution in viticulture</small>	Lunghezza - Length Longitud	Ø 12	Allungamento - Elongation Alargamiento
	1250 m	1,80 mm	= 10%
Filo Zinco-Alluminio Vineyard wire · Alambre para viñas	Peso - Weight Peso	Carico di rottura - Breaking load Carga de ruptura	Classe A UNI-EN ISO 10244/2 www.sangoigreen.com
	25 kg	00 kg	

 SANGOI AGROFIL 5 <small>Evolution in viticulture</small>	Lunghezza - Length Longitud	Ø 12	Allungamento - Elongation Alargamiento
	1250 m	1,80 mm	= 5%
Filo Zinco-Alluminio Vineyard wire · Alambre para viñas	Peso - Weight Peso	Carico di rottura - Breaking load Carga de ruptura	Classe A UNI-EN ISO 10244/2 www.sangoigreen.com
	25 kg	00 kg	

Accessories

SPRING SPACER

- GEOPAL 50 cod.000602
- GEOPAL 55 cod.000603
- GEOPAL 65 cod.000604



STOP BLOCKS GUARD

- inox 6/10 cod.000667
- zincato 10/16 cod.000662



Lenght

Inox Wire

Code

100 mm

1,8 mm

000666



120 mm

1,8 mm

000672



100 mm

1,8 mm

000676



Accessories

KICK STOP



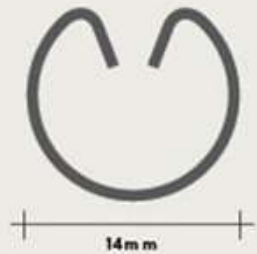
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Tutor V14

Profiled stake in galvanized sheet



Diametro esterno : 14mm
Altezze: da 1000mm a 1800mm
Materiale: prezincato e verniciato



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Thank you for your attention



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